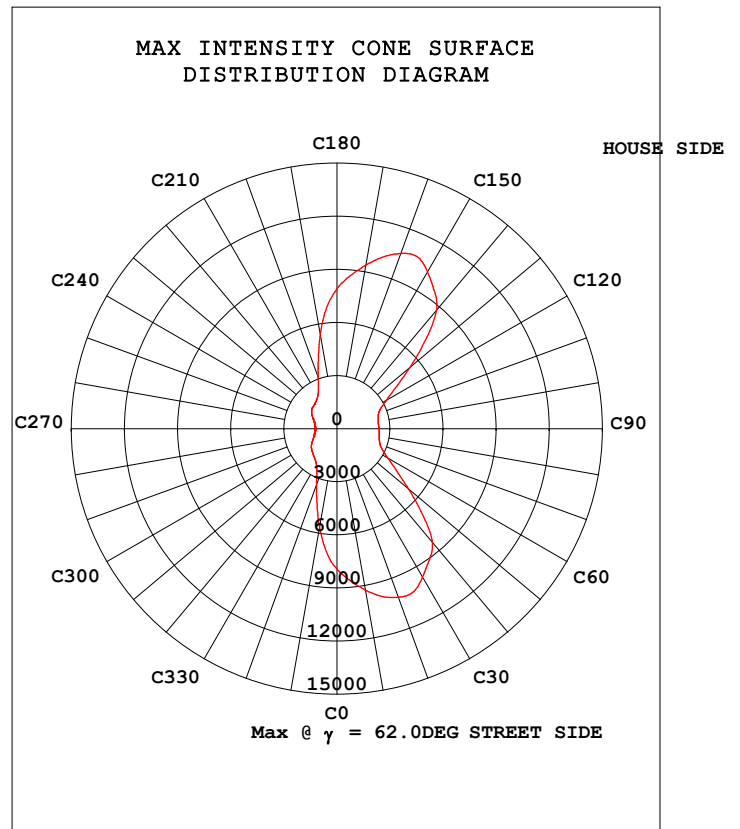
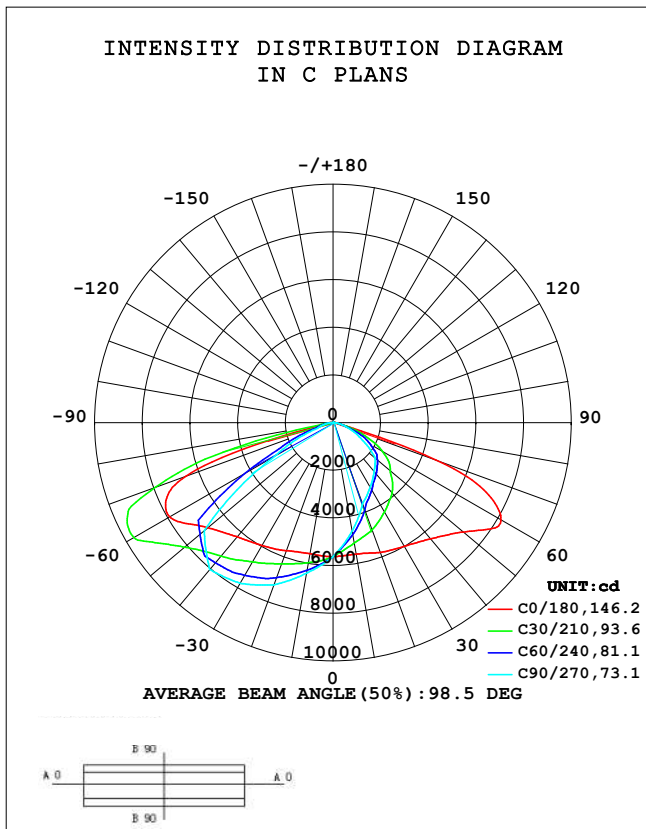


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.6892A P:150.1W PF:0.9859 Lamp Flux:22491.6x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 149.84 lm/W			
MODEL	LED	Imax (cd)	10731	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	51.5
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	22492	η house_up (%)	0.0
NOMINAL FLUX (lm)	22491.6	MAXIMUM @ (C, γ)	155,62.0	η house_down (%)	48.5
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	18.978



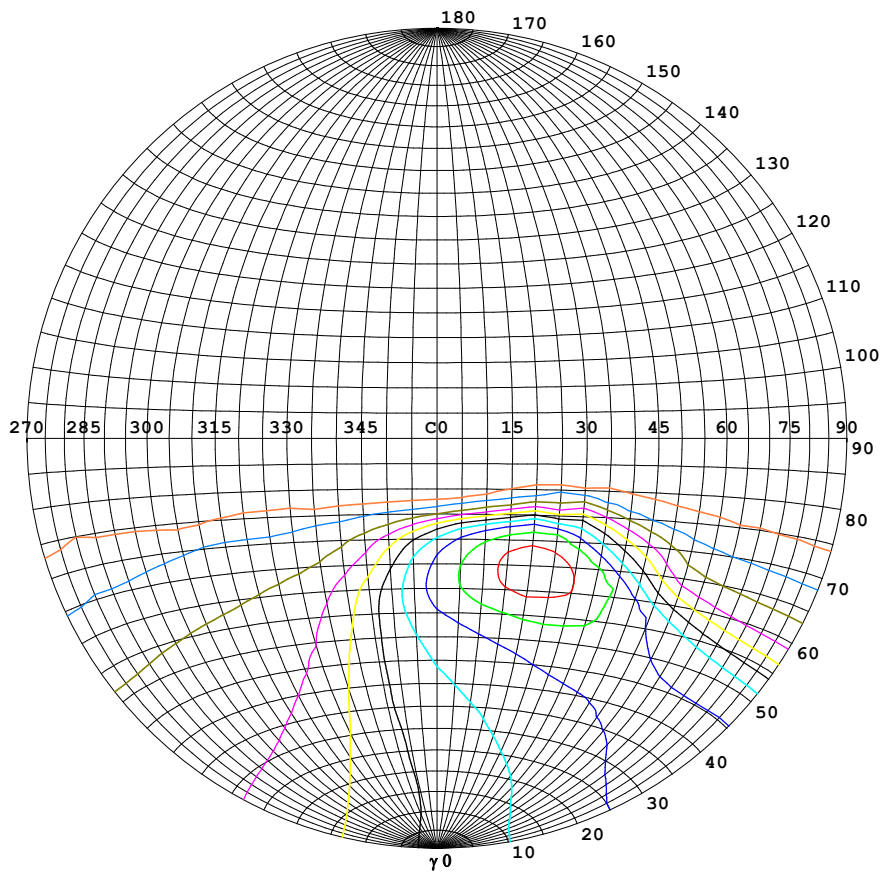
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.6892A P:150.1W PF:0.9859 Lamp Flux:22491.6x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



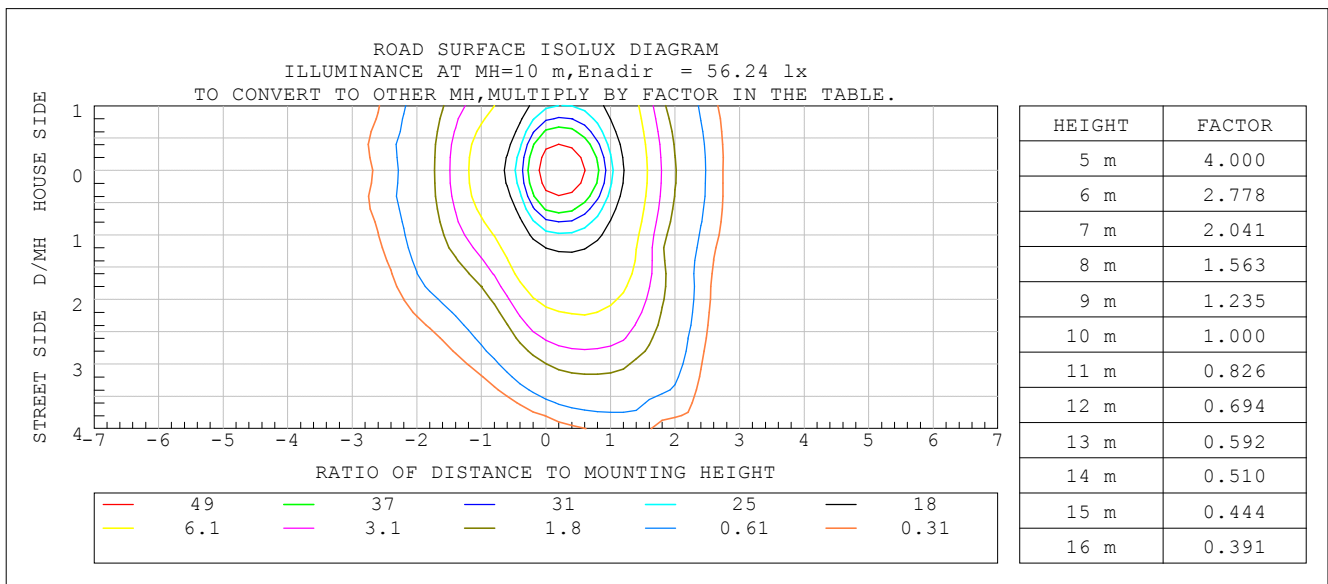
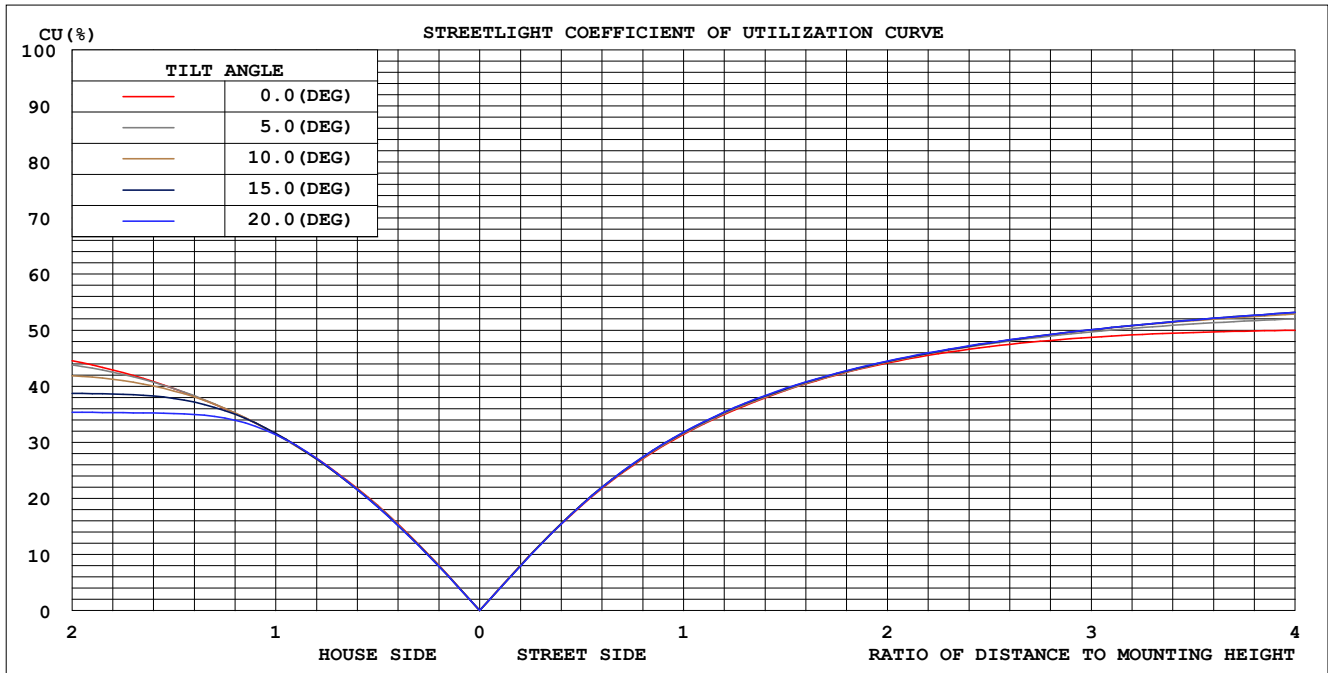
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:40.16cd/klm
Max.At90:3.869cd/klm
Max.80-90:40.16cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10731
90%	9658
80%	8585
70%	7512
60%	6438
50%	5365
40%	4292
30%	3219
20%	2146
10%	1073
5%	537

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.6892A P:150.1W PF:0.9859 Lamp Flux:22491.6x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

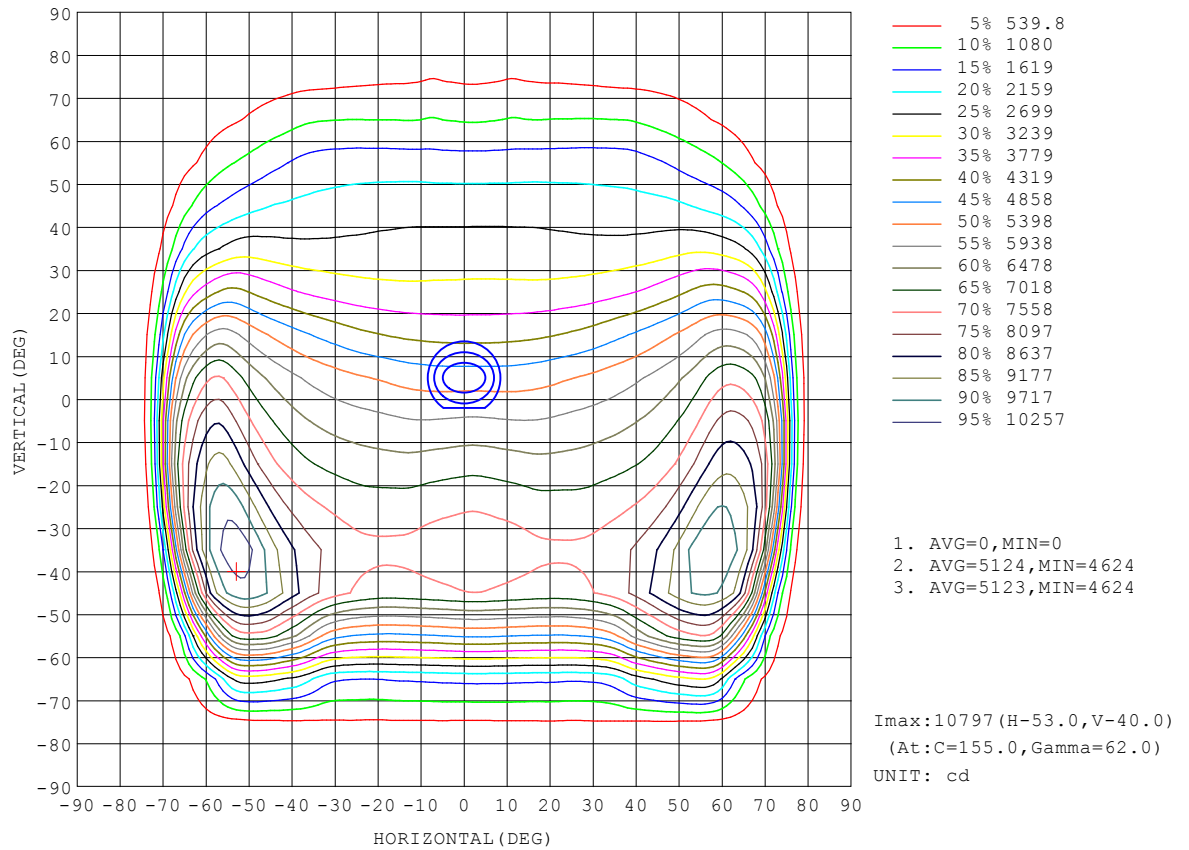
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
5	561.0	589.7	601.8	588.2	560.2	526.4	512.4	526.8	0- 5	133.8	133.8	0.59,0.59
10	558.8	613.8	641.2	612.7	560.5	493.4	462.4	492.2	5- 10	397.6	531.4	2.36,2.36
15	562.1	637.8	682.8	635.9	567.1	463.4	412.3	460.7	10- 15	655.9	1187	5.28,5.28
20	571.9	661.0	724.4	661.2	579.6	427.5	362.3	426.2	15- 20	908.8	2096	9.32,9.32
25	584.2	685.2	751.5	689.6	589.1	390.2	337.5	389.2	20- 25	1156	3252	14.5,14.5
30	595.5	710.1	778.7	714.2	599.5	360.3	312.8	360.3	25- 30	1397	4648	20.7,20.7
35	608.8	732.0	791.8	736.8	614.6	332.3	290.9	333.5	30- 35	1630	6279	27.9,27.9
40	626.1	753.6	804.9	763.2	636.6	300.6	269.0	302.1	35- 40	1853	8132	36.2,36.2
45	651.6	775.5	755.2	788.7	668.6	280.7	250.1	282.5	40- 45	2057	10189	45.3,45.3
50	686.2	803.8	705.4	821.3	714.3	255.1	231.2	258.9	45- 50	2230	12419	55.2,55.2
55	741.2	791.1	493.0	814.1	782.5	230.4	184.0	235.3	50- 55	2349	14768	65.7,65.7
60	791.9	761.7	280.6	790.1	813.2	200.8	136.9	208.2	55- 60	2332	17101	76.76
65	773.4	562.1	175.9	576.7	722.5	161.2	102.6	171.1	60- 65	2134	19235	85.5,85.5
70	657.0	347.5	71.20	347.2	461.2	106.5	68.25	117.6	65- 70	1750	20985	93.3,93.3
75	216.3	105.1	49.06	101.0	57.44	51.22	43.42	57.63	70- 75	1054	22039	98.98
80	29.36	45.21	26.91	41.68	17.68	25.15	18.59	28.30	75- 80	337.9	22377	99.5,99.5
85	14.87	9.961	0	9.199	7.296	5.008	0	5.549	80- 85	99.47	22476	99.9,99.9
90	8.701	0	0	0	7.368	0	0	0	85- 90	15.41	22492	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

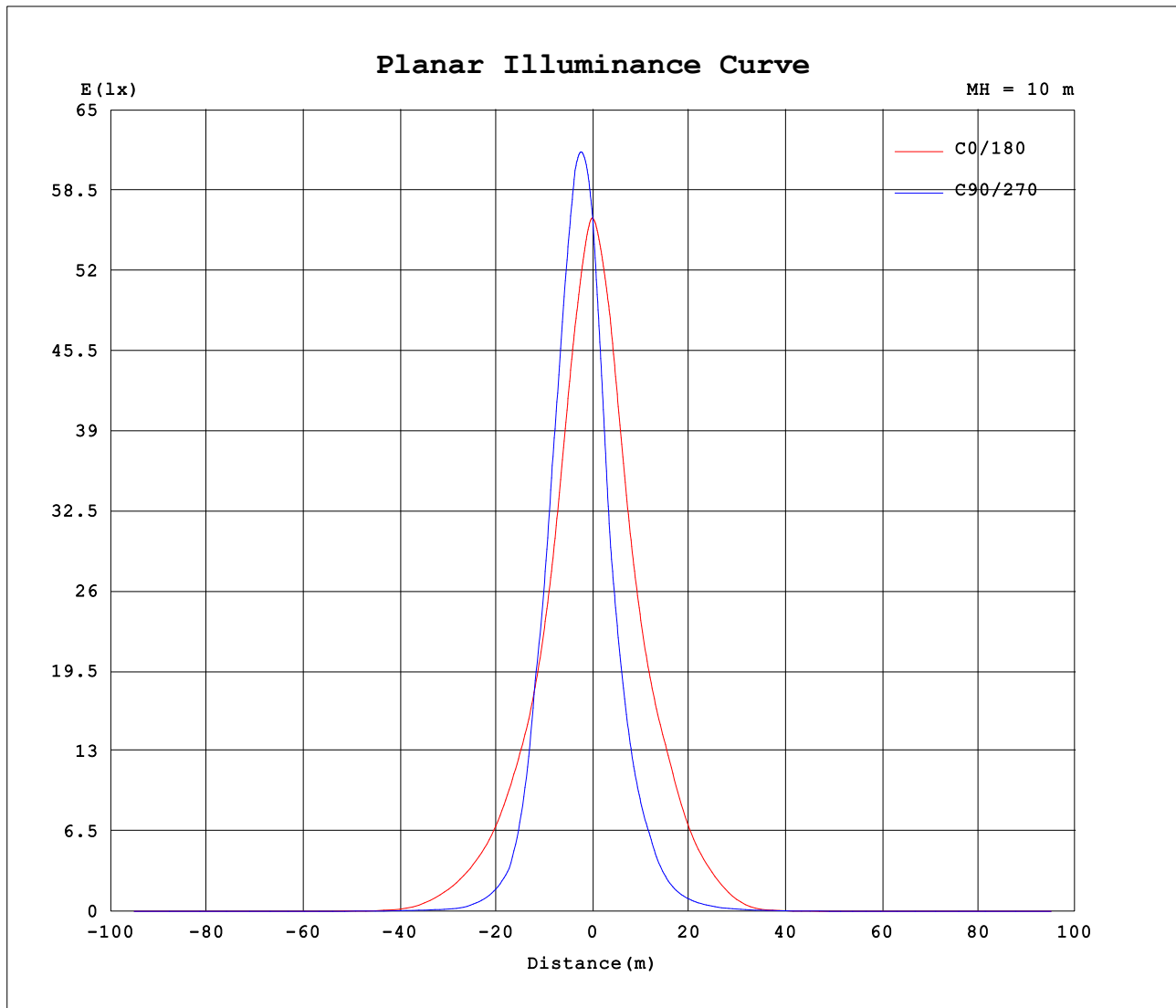
Test:U:220.9V I:0.6892A P:150.1W PF:0.9859 Lamp Flux:22491.6x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



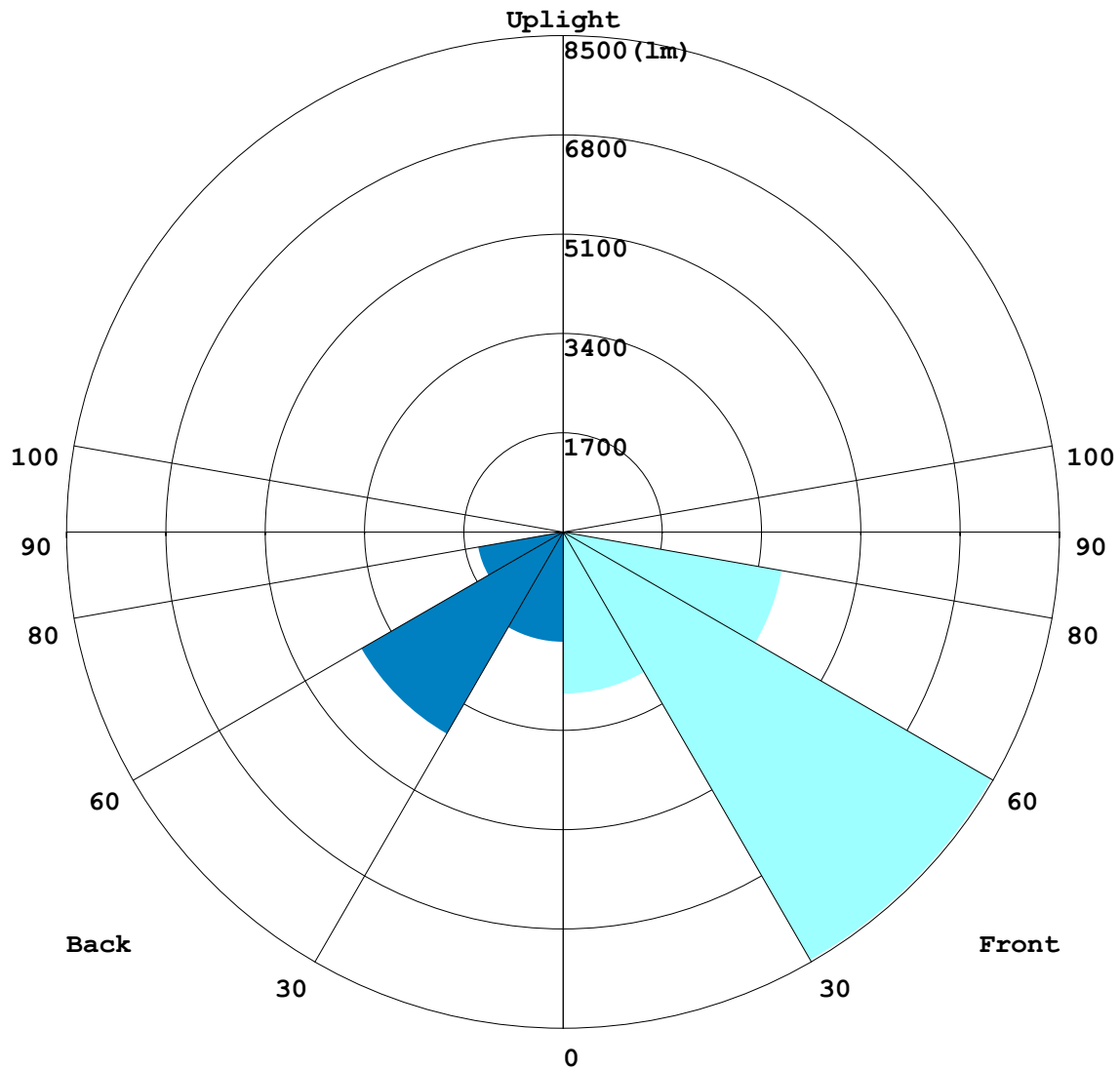
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.6892A P:150.1W PF:0.9859 Lamp Flux:22491.6x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.6892A P:150.1W PF:0.9859 Lamp Flux:22491.6x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2766.7	12.3
FM - Front-Medium(30-60)	8463	37.6
FH - Front-High(60-80)	3801.9	16.9
FVH - Front-Very High(80-90)	72.801	0.3
Total Forward Light	15104	67.2

BL - Back-Low(0-30)	1881.8	8.4
BM - Back-Medium(30-60)	3989.1	17.7
BH - Back-High(60-80)	1474.3	6.6
BVH - Back-Very High(80-90)	42.076	0.2
Total Back Light	7387.2	32.8

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7387.2	0	7387.2
Street Side	15104	0	15104

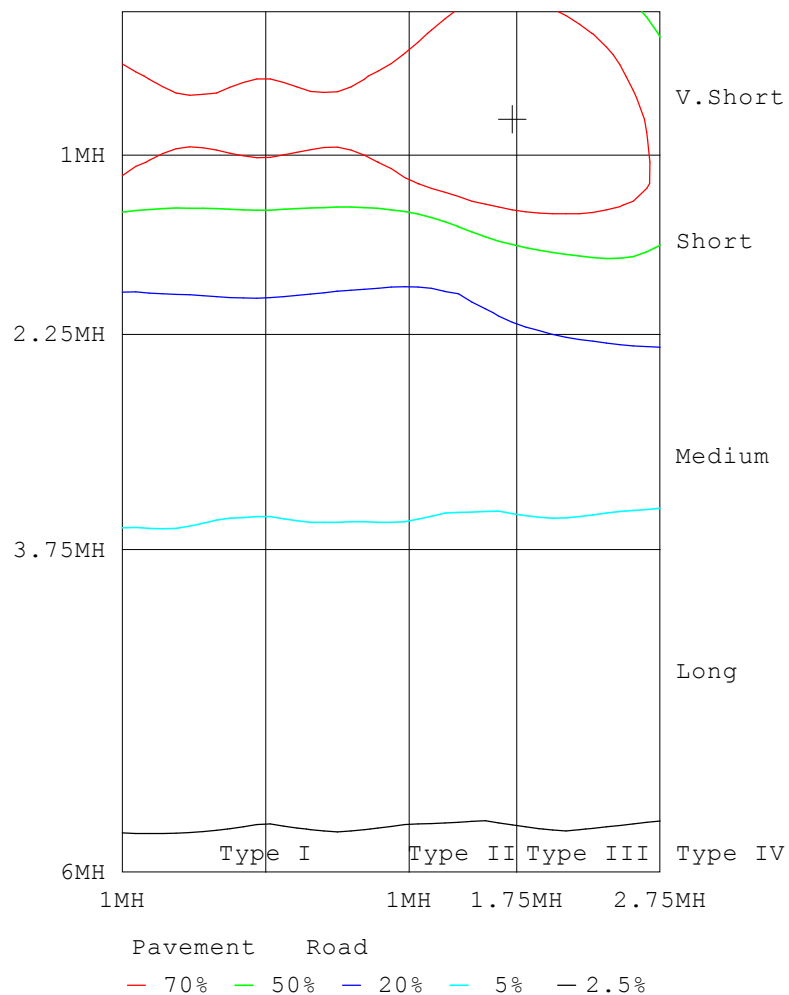
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-25

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.6892A P:150.1W PF:0.9859 Lamp Flux:22491.6x1 lm		
NAME: OPCITYIII-150W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-25

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```